

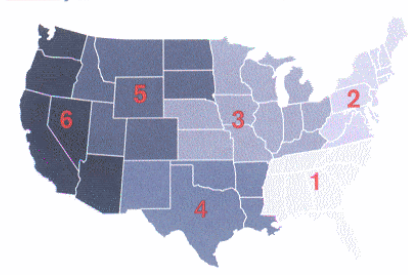
## CSCI459/CSIS659 – Service Oriented Computing

Term: Fall 2014

Instructor: Paul Buhler

### Programming Assignment 1

Due date: Wednesday, August 27<sup>th</sup> at 11:59 pm, submission by an email sent to [buhlerp@cofc.edu](mailto:buhlerp@cofc.edu). Attach your source files and sample output (if you zip them, remember to rename the extension on the zip otherwise it will be stripped; use piz). Use the subject line of: “SOC Prog One”



**Zone 1:** AL, FL, GA, MS, NC, SC, TN  
**Zone 2:** CT, DC, DE, MA, MD, ME, NH, NJ, NY, PA, RI, VA, VT, WV  
**Zone 3:** IA, IL, IN, KS, KY, MI, MN, MO, NE, OH, WI  
**Zone 4:** AR, LA, NM, OK, TX  
**Zone 5:** CO, ID, MT, ND, SD, UT, WY  
**Zone 6:** AZ, CA, NV, OR, WA

Find the fare for the route you are traveling, then call Delta at 1-800-325-1447 or your Delta-authorized travel agent to book your travel. Pay for your ticket with your Platinum Delta SkyMiles Credit Card, and get two tickets for one low price. Remember to refer agent to code **G\*12100** when booking your ticket.

Travel	Round-Trip Fare
Within a zone	\$238
Between zones 5 and 6	\$238
Between zones 1, 2 and 3	\$278
Zone 1, 2, 3 to/from zone 4	\$318
Zone 1, 2, 3, 4 to/from zone 5 and 6	\$398

**Example:** If you and a companion fly from Atlanta (zone 1) to San Francisco (zone 6), the special zone fare for two round-trip tickets will be \$398 (plus any applicable taxes and fees – see certificate for more details). All tickets must be booked in L class, subject to seat availability.

This assignment is just to get you moving and serve as a bit of a diagnostic for me. I don't expect a service-oriented solution, but instead a well-structured one – written in Java. Your program should take two state codes from the command line and return the round-trip airfare. This computation will leverage the information in the image above.